

LCLKFTC1

1 UNITED STATES DISTRICT COURT  
2 SOUTHERN DISTRICT OF NEW YORK

-----x

3 FEDERAL TRADE COMMISSION,  
4 STATE OF NEW YORK, STATE OF  
5 CALIFORNIA, STATE OF OHIO,  
6 COMMONWEALTH OF PENNSYLVANIA,  
7 STATE OF ILLINOIS, STATE OF  
8 NORTH CAROLINA, and  
9 COMMONWEALTH OF VIRGINIA,

Plaintiffs,

v.

20 CV 706 (DLC)

MARTIN SHKRELI, et al.,

Defendants.

-----x

New York, N.Y.  
December 21, 2021  
9:30 a.m.

Before:

HON. DENISE COTE,

District Judge

APPEARANCES

FEDERAL TRADE COMMISSION

BY: MARKUS H. MEIER  
MARIN HANEBERG  
BRADLEY S. ALBERT  
LAUREN PEAY  
NEAL PERLMAN  
LEAH HUBINGER

NEW YORK STATE OFFICE OF THE ATTORNEY GENERAL

BY: ELINOR R. HOFFMANN  
JEREMY R. KASHA  
AMY E. McFARLANE

DUANE MORRIS LLP

Attorneys for Shkreli  
BY: CHRISTOPHER H. CASEY  
JEFFREY S. POLLACK  
ANDREW J. RUDOWITZ  
SARAH FEHM STEWART  
SEAN McCONNELL  
J. MANLY PARKS

LCLKFTC1

(In open court; trial resumed)

THE COURT: So, counsel, I forgot to put on the record yesterday your use of time, but we communicated that to counsel after court ended. The plaintiffs have used 14 hours and two minutes, and the defendant has used 12 hours and 18 minutes.

Let's talk a little bit about where we stand. I understand that Dr. Jena is the last witness. Is that true?

MR. CASEY: Yes, your Honor, that's correct.

THE COURT: Yesterday, Ms. Kirby's affidavit was received that constitutes her direct testimony, but I take it, then, the plaintiffs are waiving their right to cross-examine Ms. Kirby?

MR. MEIER: Your Honor, I think we have an understanding -- Markus Meier, for the FTC, sorry -- that we will put in, and I think we've put in, her deposition testimony. So one of the things we moved in was deposition testimony, and Ms. Kirby will not be appearing live, and, through agreement with the defendants, we used the deposition testimony instead.

THE COURT: Let me make sure.

(Pause)

THE COURT: So, counsel, this last weekend, I reviewed, I thought, all the deposition designations that were being offered by the parties. I did not understand at that time that Ms. Kirby's dep designations were being offered by

LCLKFTC1

1 the parties because I thought she was going to be a witness.

2 So I will now read the deposition designations for Ms. Kirby.

3 Is there anyone else who might fall in that category,  
4 where -- I've read Mr. Shkreli's designations. Anyone else?

5 MR. MEIER: Yes, your Honor. Markus Meier, for the  
6 FTC.

7 Also, Eve Costopoulos.

8 THE COURT: I read hers.

9 MR. MEIER: That would be it, as far as I understand.

10 MR. RUDOWITZ: Your Honor, this is AJ Rudowitz, on  
11 behalf of Mark Shkreli.

12 I believe that we will be offering today Danny Bailey  
13 and Amanda Lopez's deposition designations. I don't think that  
14 those fall into the same category as someone who is expected to  
15 testify, but now is not, but I just wanted to let your Honor  
16 know that we do intend to offer those today.

17 THE COURT: Bailey, I have read.

18 And which other one?

19 MR. RUDOWITZ: Amanda Lopez, your Honor.

20 THE COURT: Yes, I read that.

21 MR. MEIER: Your Honor --

22 THE COURT: Excuse me one second.

23 (Pause)

24 MR. MEIER: I wanted to add that plaintiffs will be  
25 admitting this morning, or seeking to admit, the deposition

LCLKFTC1

1 testimony of Ron Tilles. The difference between Costopoulos  
2 and Kirby is they put in written directs, and we've  
3 counterdesignated depositions. Mr. Tilles is not a written  
4 direct, he's just another witness with a --

5 THE COURT: Yes, and I read his designations, also,  
6 this weekend.

7 MR. MEIER: Thank you.

8 THE COURT: So, what is my roadmap for my assignments  
9 is the document that defense counsel gave me at the beginning  
10 of the trial. So, thank you very much. It's been very useful  
11 to me.

12 Okay, good.

13 Let's get Dr. Jena back on the stand, and then I want  
14 to talk with counsel about how we organize ourselves for  
15 tomorrow with summations and other cleanup issues.

16 Dr. Jena, thank you for your patience. Please retake  
17 the stand.

18 THE WITNESS: Thank you. Good morning.

19 THE COURT: Good morning. I remind you, you are still  
20 under oath.

21 Cross-examination?

22 MR. MEIER: Your Honor, there are a couple of  
23 administrative matters, if we may, first?

24 THE COURT: Sure.

25 MR. MEIER: We have two things that the plaintiffs

LCLKFTC1

1 would like to move in, and then defendants have two that they  
2 would like to move in.

3 This is all by agreement, as I understand it. The  
4 first is: Government Exhibit 9007.

5 THE COURT: Any objection to the receipt of GX 9007  
6 and the exhibits listed therein?

7 MS. STEWART: Sarah Stewart, your Honor.

8 No objection, subject to your Honor's rulings. Thank  
9 you.

10 THE COURT: Received.

11 (Government's Exhibit 9007 and exhibits listed therein  
12 received in evidence)

13 MR. MEIER: The last one for the plaintiffs, your  
14 Honor, is Government Exhibit 9074. It is the deposition  
15 transcript excerpts of Ronald Tilles, T-i-l-l-e-s, from Vyera.

16 THE COURT: Any objection to receipt of GX 9074?

17 MR. RUDOWITZ: RJ Rudowitz, your Honor.

18 No objection.

19 THE COURT: It's received.

20 (Government's Exhibit 9074 received in evidence)

21 THE COURT: I notice that there are some passages that  
22 are being withdrawn. I'm going to try to be hypervigilant  
23 about that as I finalize my opinion.

24 Thank you.

25 Anything from defense counsel?

LCLKFTC1

1 MR. CASEY: Yes, your Honor. We have several exhibits  
2 to move in evidence at this point.

3 THE COURT: And you want to do that now, or do you  
4 wish to wait until your expert is off the stand?

5 MR. CASEY: Whatever the Court prefers.

6 THE COURT: Your call, counsel.

7 MR. CASEY: We'll do it now, your Honor.

8 THE COURT: Great.

9 MR. RUDOWITZ: First, your Honor, is Defendant's  
10 Exhibit DX 801. This is the deposition designation to the  
11 transcript of the deposition of Danny Bailey.

12 THE COURT: Any objection to the receipt of DX 801?

13 MR. MEIER: No objection, your Honor.

14 THE COURT: Received.

15 (Defendant's Exhibit 801 received in evidence)

16 MR. RUDOWITZ: Your Honor, next will be Defendant's  
17 Exhibit DX 802. These are the deposition designations to the  
18 transcript of the deposition of Amanda Lopez.

19 THE COURT: Any objection?

20 MR. MEIER: No objection, your Honor.

21 THE COURT: Received.

22 (Defendant's Exhibit 802 received in evidence)

23 MS. STEWART: Your Honor, Sarah Stewart.

24 The next exhibit that we have to offer is DX 903. It  
25 lists various other exhibits that the parties have agreed may

LCLKFTC1

1 be admitted into evidence.

2 THE COURT: Any objection to the receipt of DX 903 and  
3 the exhibits listed therein?

4 MR. MEIER: No objection, your Honor.

5 THE COURT: Received.

6 (Defendant's Exhibit 903 and exhibits listed therein  
7 received in evidence)

8 MS. STEWART: The last one, your Honor, is DX 904. It  
9 is another list of exhibits that the parties have conferred on  
10 and agreed may come into evidence.

11 THE COURT: Any objection to the receipt of DX 904 and  
12 the exhibits listed therein?

13 MR. MEIER: No objection, your Honor.

14 THE COURT: Received.

15 (Defendant's Exhibit 904 and exhibits listed therein  
16 received in evidence)

17 MR. CASEY: Your Honor, just one point of  
18 clarification. With respect to the Ron Tilles' deposition  
19 designations, just so the record is clear, we have no  
20 objections, subject to this Court's prior rulings.

21 THE COURT: Sure.

22 Counsel.

23 MR. MEIER: Thank you, your Honor. May it please the  
24 Court, Markus Meier, on behalf of the FTC.

25 Your Honor, it would be my intention to try to save

LCLKFTC1

Jena - Cross

1 about eight minutes of the 58 minutes for possible redirect,  
2 and you may see some assistant come up and give me a note  
3 telling me that I'm running out of time.

4 ANUPAM JENA,

5 CROSS-EXAMINATION CONTINUED

6 BY MR. MEIER:

7 Q. Dr. Jena, I'd like to start where we left off yesterday  
8 afternoon - discussing your medical opinions in this case.

9 As we were just about to get started before the  
10 recess, I wanted to show you Government Exhibit 4088.

11 MR. MEIER: So if we could pull that up, please,  
12 Mr. Tuttle.

13 Q. While Mr. Tuttle is pulling that up, as part of your work  
14 in this case, you looked at the guidelines for the prevention  
15 and treatment of opportunistic infections, correct?

16 A. Yes, sir.

17 Q. And we discussed it during your deposition?

18 A. Yes, sir.

19 Q. And you do not cite the guidelines for the prevention and  
20 treatment of opportunistic infections by name in your trial  
21 testimony, but you do appear to discuss these guidelines,  
22 correct?

23 A. I believe that's correct.

24 Q. Let's start by looking at the cover page.

25 The cover page, do you see right under the headline,



LCLKFTC1

Jena - Cross

1 there is a symbol of the Health and Human Services, and then it  
2 says, "Recommendations from The Centers for Disease Control and  
3 Prevention, The National Institutes of Health, and The HIV  
4 Medicine Association of The Infectious Diseases Society of  
5 America."

6 Do you see that?

7 A. Yes, sir.

8 Q. And the current director of the CDC is Dr. Rochelle  
9 Walensky?

10 A. Yes, sir.

11 Q. And Dr. Walensky was the chief of the Division of  
12 Infectious Diseases at Mass General Hospital, your hospital,  
13 correct?

14 A. Yes.

15 Q. And the current director of the NIH, National Institute of  
16 Allergy and Infectious Diseases, is Dr. Anthony Fauci?

17 A. Correct.

18 Q. Unfortunately, because of COVID, Drs. Walensky and Fauci  
19 have become household names for many of us, correct?

20 A. Agreed.

21 MR. MEIER: Let's turn to page A2, please, Bryce.

22 Q. So I'd like to bring your attention, in the middle of the  
23 first paragraph at the top, there's a sentence that begins with  
24 "the NIH and CDC."

25 Do you see that?

LCLKFTC1

Jena - Cross

1 A. Yes, sir.

2 Q. It says, "The NIH and the CDC and the HIV Medicine  
3 Association of The Infectious Diseases Society of America now  
4 jointly cosponsor these guidelines, which have been published  
5 in peer-reviewed journals and/or the MMWR in 1997, 1999, and  
6 2002. Since 2009, the guidelines have been managed as a living  
7 document on the Web with each chapter reviewed quarterly by the  
8 guidelines committee. Updates are published as often and as  
9 promptly as deemed appropriate by the guidelines committee."

10 Now, you're not a member of the guidelines committee,  
11 are you?

12 A. No, sir.

13 Q. Do you happen to know what the acronym MMWR stands for?

14 A. It's the Monthly Morbidity Weekly Review, I believe. It's  
15 published by the CDC and frequently would appear in the medical  
16 journal JAMA. That's the Journal of The American Medical  
17 Association.

18 Q. Is it correct that these guidelines are intended for  
19 clinicians and other healthcare providers, patients with HIV,  
20 and policymakers in the United States?

21 A. Yes, I think primarily healthcare professionals. I don't  
22 know the extent to which policymakers review these guidelines,  
23 but, certainly, healthcare providers.

24 Q. So just so you know, I was actually reading. I probably  
25 should have called your attention to it.

LCLKFTC1

Jena - Cross

1 MR. MEIER: Let's go to the fourth paragraph down from  
2 the top, Mr. Tuttle.

3 Q. It says, "These guidelines are intended for clinicians,  
4 other healthcare providers, patients with HIV, and policymakers  
5 in the United States."

6 Do you see that?

7 A. Yes, sir.

8 Q. And as you said, the guidelines are intended for physicians  
9 like you, correct?

10 A. Correct.

11 Q. And they're designed for use by clinicians who may  
12 encounter certain infectious diseases only rarely?

13 A. Correct.

14 MR. MEIER: Still looking at page 2, moving down to  
15 that big paragraph there -- and I want to find the right  
16 sentence -- sort of in the middle, there's -- Mr. Tuttle,  
17 there's a place where it starts with "the working group's," and  
18 if you could just highlight that down to the word "indicate."  
19 The next couple lines, also, Mr. Tuttle, including the next  
20 sentence. Thank you, Mr. Tuttle.

21 Q. It says, "The working group's review in realtime the  
22 relevant literature published since the last review of the  
23 guidelines and, if indicated, propose revised recommendations,  
24 which are then presented to the coeditors and other working  
25 group leaders. The coeditors and working group leaders have a

LCLKFTC1

Jena - Cross

1     teleconference quarterly to determine changes in each section  
2     that are indicated."

3             Do you see that?

4     A.   Yes, sir.

5     Q.   And you're not a coeditor, correct?

6     A.   No, sir.

7     Q.   And you're not a working group leader, correct?

8     A.   No, sir.

9     Q.   And the guidelines, as this would indicate, are constantly  
10    being updated to reflect the latest medical findings from the  
11    research; is that correct?

12    A.   That's correct.

13    Q.   And the guidelines have been updated throughout the time  
14    you've been a physician?

15    A.   That's correct.

16           MR. MEIER:  So if we could go to page 4 now, which  
17    is -- I'm sorry, page A4.  That's 0035 of the document.  I'm  
18    sorry, 005, excuse me.

19    Q.   Do you see where there's a headline up near the top on how  
20    to use the information in these guidelines?

21    A.   Yes, sir.

22           MR. MEIER:  And then there's ten points, and then  
23    there's a paragraph that starts with "recommendations," so if  
24    we could just pull that up.

25    Q.   And it says, "Recommendations are rated according to the

LCLKFTC1

Jena - Cross

1 criteria in the table below and accompanied, as needed, by  
2 explanatory text that reviews the evidence and the working  
3 group's assessment. In this system, the letters A, B, or C  
4 signify the strength of the recommendation for or against a  
5 preventative or therapeutic measure, and the Roman numerals I,  
6 II, or III indicate the quality of the evidence supporting the  
7 recommendation."

8 Do you see that?

9 A. Yes, sir.

10 Q. So let's take a look at the table directly below that.  
11 This is essentially an explanation of the rating system used  
12 throughout the guidelines, correct?

13 A. Correct.

14 Q. And it consists of two elements, a strength of  
15 recommendation and the quality of evidence for the  
16 recommendation.

17 Do you see that?

18 A. Yes.

19 Q. So if I understand this correctly, AI would be the highest  
20 rated prevention and treatment recommendation and CIII would be  
21 the lowest?

22 A. Correct.

23 Q. So you'd agree that this rating system is fairly easy to  
24 understand and to use, correct?

25 A. I think so.

LCLKFTC1

Jena - Cross

1 Q. So even people like us lawyers, who didn't go to medical  
2 school, could understand this, correct?

3 A. I think so.

4 Q. Okay. Thank you.

5 MR. MEIER: So let's turn to the section about  
6 Toxoplasma gondii encephalitis. And that would be AA-1.

7 Q. Looking at the very top, do you see, it says, "Last Updated  
8 July 25, 2017; Last Reviewed June 26, 2019"?

9 A. Yes.

10 Q. And then under the heading "Treating Disease," which is on  
11 page AA-3 -- I just want to focus on treating the disease -- it  
12 says, "The initial therapy of choice for TE" -- that would be  
13 Toxoplasma encephalitis, correct?

14 A. Correct.

15 Q. That is Toxoplasma in the brain?

16 A. That's correct.

17 Q. So it says, "The initial therapy of choice for TE consists  
18 of the combination of pyrimethamine plus sulfadiazine plus  
19 leucovorin," and then it says "AI," right?

20 A. Yes.

21 Q. And that's the highest rating that the guidelines give?

22 A. Correct.

23 MR. MEIER: And if we could go to page AA-9 under the  
24 heading "Recommendations for Preventing and Treating Toxoplasma  
25 Gondii." Sorry, Mr. Tuttle, I'm moving a little fast.

LCLKFTC1

Jena - Cross

1 Q. Here's a chart that's part of a guidelines that then  
2 marches through the different ways to treat different  
3 manifestations of Toxoplasma, correct?

4 A. Correct.

5 Q. It says, "The preferred regimen, AI, is pyrimethamine  
6 200 milligrams."

7 You see that?

8 A. Yes.

9 Q. And then there's a note.

10 You see where the note is?

11 A. Yes.

12 Q. It says, "If pyrimethamine is unavailable or there is a  
13 delay in obtaining it, TMP-SMX should be used in place of  
14 pyrimethamine sulfadiazine," and that gets a BI, correct?

15 A. That's correct. And I think it refers to the part of A3,  
16 which is the very bottom of A3, which refers to the comparative  
17 effectiveness evidence.

18 Q. So what the joint committees and organizations that have  
19 put together the guidelines and brought to bear the most recent  
20 understanding of the medical literature and updating it as  
21 necessary, they determined that pyrimethamine is an AI and  
22 TMP-SMX is a BI, correct?

23 A. That's correct, yes, sir.

24 Q. And the last one, it talks about atovaquone, and it says,  
25 "Atovaquone should be administered until therapeutic doses of

LCLKFTC1

Jena - Cross

1 TMP-SMX are achieved," and that gets a CIII, correct?

2 A. Correct.

3 Q. So that's the least strong medical evidence and the least  
4 strong recommendation, correct?

5 A. Yes, sir.

6 MR. MEIER: Thank you, Mr. Tuttle. You can take this  
7 exhibit down now.

8 Q. Let's move to your opinions as an economic expert in this  
9 case. Okay?

10 A. Sure.

11 Q. Are you with me?

12 A. Yes, sir.

13 Q. Please turn to page 6 of your trial testimony.

14 Do you have it up there with you?

15 A. I do.

16 Q. I'm going to focus on Exhibit D.1.

17 Do you see that?

18 A. Yes, sir.

19 Q. And D.1 has a title "Quantity and Price of Daraprim Q1 2006  
20 Through Q2 2015," correct?

21 A. Yes, sir.

22 Q. And Q1 would stand for the first quarter of 2006, i.e.,  
23 January to March, correct?

24 A. Yes, sir.

25 Q. And Q2 would be the second quarter of 2015, which would be



LCLKFTC1

Jena - Cross

1 April to June?

2 A. Yes, sir.

3 Q. All right.

4 So in paragraph 26 of your trial testimony -- that's  
5 right before the charts -- you write, "Daraprim received FDA  
6 approval in January of 1953 and was marketed worldwide by  
7 GlaxoSmithKline (hereinafter GSK) and its affiliated  
8 predecessors until 2010. As seen in Exhibit D.1, data reported  
9 by IQVIA, based on sales to wholesalers and other distributors,  
10 show that by 2010, the price charged per Daraprim tablet was  
11 approximately one dollar," correct?

12 A. Yes, sir.

13 Q. And going back to the chart on page 6, we can see that  
14 graphically by the blue line that's very flat running from 2006  
15 to about the fourth -- roughly, the fourth quarter of 2010.

16 Do you see that?

17 A. Yes, sir.

18 Q. That's the price line, correct?

19 A. That's correct.

20 Q. That blue line?

21 And then the orange line, that's the line for tablets?

22 A. Correct.

23 Q. Measured in increments of 100,000, correct?

24 A. Yes, sir.

25 Q. So if we're reading this correctly, where you start the

LCLKFTC1

Jena - Cross

1 chart in the first quarter of 2006, GSK was selling about  
2 450,000 tablets a year -- I'm sorry, a quarter at the time at a  
3 price of a dollar a pill?

4 A. Correct.

5 Q. And that orangish line shows a steady decline, correct?

6 A. That's correct.

7 Q. And that steady decline indicates that the sales of  
8 Daraprim tablets was declining at a fairly constant rate over  
9 the period of your Exhibit D.1, correct?

10 A. Correct.

11 Q. And your Exhibit D.1 ends at the second quarter of 2015,  
12 correct?

13 A. Correct.

14 Q. And that's just before Vyera acquired the U.S. rights to  
15 Daraprim, correct?

16 A. Yes, sir.

17 THE COURT: Counsel, is it true that the correct way  
18 to read this chart is - could you inquire - 450,000 tablets per  
19 quarter?

20 MR. MEIER: I think you're right, your Honor. I think  
21 it's probably per year at that moment.

22 BY MR. MEIER:

23 Q. But, actually, Dr. Jena, how is the correct way to read  
24 that?

25 A. This would be by quarter. So if you look at the table of

LCLKFTC1

Jena - Cross

1 notes it's priced at, it's quarterly gross sales by quarterly  
2 units, so I believe this would be per quarter. I'm not  
3 entirely sure. I'd have to look at the underlying data.

4 BY MR. MEIER:

5 Q. But what it's showing is it fluctuates -- there's  
6 fluctuation from quarter to quarter, but over time, the trend  
7 line is markedly going down, correct?

8 A. That's correct.

9 Q. So that by the second quarter of 2015, it looks like about  
10 200,000 tablets, right, before Vyera acquires Daraprim?

11 A. That's correct.

12 And, just to clarify, I believe these are quarterly  
13 units.

14 Q. Okay. Can you just explain that real quickly, so we all  
15 understand what you mean by that?

16 A. Yes, sir. Units sold per quarter, so tablets sold per  
17 quarter.

18 Q. Okay. Thank you.

19 Now, the graph doesn't tell us anything about  
20 physician or patient switching away from Daraprim and using  
21 other drugs to treat toxoplasmosis, correct?

22 A. No, it does not.

23 Q. Instead, the downward trend in Daraprim sales reflect the  
24 increasing success that the medical community has had in  
25 diagnosing, preventing, and treating HIV, correct?

LCLKFTC1

Jena - Cross

1 A. That's certainly part of it, but, from this graph, I  
2 couldn't conclude whether that's the only component or whether  
3 there's also changes over time in use of other drugs versus  
4 pyrimethamine, but I would expect that the primary component is  
5 what you just described.

6 Q. And nothing in your chart -- nothing in this graph tells us  
7 anything about switching to other drugs that might be used to  
8 treat toxoplasmosis, correct?

9 A. Correct.

10 Q. So your graph shows that even during the time GSK was  
11 charging a dollar a pill for Daraprim, the quantity of Daraprim  
12 sold declined from about 450,000 tablets to about 350,000  
13 tablets per quarter, correct?

14 A. Yes, sir.

15 Q. That's about a 22 percent decline in quantity sold?

16 A. I think that's correct.

17 Q. And then it shows, your graph shows, that Daraprim price  
18 started going up from about a dollar a pill around the third  
19 quarter of 2010?

20 A. Yes, sir.

21 Q. And at some point, it goes all the way up to about \$12,  
22 slightly under \$12, a pill, correct?

23 A. Yes, sir.

24 Q. That's over about a five-year period, maybe  
25 four-and-a-half, five years?

LCLKFTC1

Jena - Cross

1 A. Correct.

2 Q. And that's about an 1100 percent price increase?

3 A. I'll take your representation for that price increase, but  
4 the absolute increase is correct, from about \$6 to about \$12.

5 Q. So during the same time that Daraprim experienced a  
6 1100 percent price increase, there was only about a 22 percent  
7 decline in quantity sold, correct?

8 A. Correct.

9 Q. And in Exhibit D.1 of your trial testimony, you use  
10 Daraprim pricing data from IQVIA, correct?

11 A. Correct.

12 Q. And this data, in this particular chart from IQVIA, doesn't  
13 include all rebates to payers and other types of discounts that  
14 Vyera might have offered or GSK might have offered or any other  
15 company that owned Daraprim might have offered?

16 A. Correct.

17 Q. You, nonetheless, found the IQVIA data sufficiently  
18 reliable to use as part of your trial testimony, correct?

19 A. Yes. Just to describe the overall trends in quantities  
20 sold and prices not inclusive of rebates.

21 Q. Thank you.

22 So let's turn to page 7, paragraph 29, of your trial  
23 testimony.

24 Are you with me?

25 A. Yes, sir.

LCLKFTC1

Jena - Cross

1 Q. And this paragraph says, "On August 7, 2015, Impax sold its  
2 U.S. rights to market and distribute Daraprim to Vyera (known  
3 as Turing at the time). On August 11, 2015, Vyera increased  
4 the list price of Daraprim from approximately \$17.60 per tablet  
5 to \$750 per tablet."

6 Do you see that?

7 A. Yes, sir.

8 Q. So when Vyera raised its price of Daraprim to 750 in 2015,  
9 after that - I'm going to ask you about the next few years -  
10 Vyera's Daraprim sales were profitable in 2016, correct?

11 A. Correct.

12 Q. And they were profitable in 2017, correct?

13 A. Correct.

14 Q. And they were profitable in 2018, correct?

15 A. Correct.

16 Q. And they were profitable in 2019, correct?

17 A. Yes, sir.

18 Q. And Vyera's Daraprim sales were profitable in 2020?

19 A. Correct.

20 Q. In fact, Vyera's Daraprim sales have been profitable ever  
21 since the acquisition, correct?

22 A. Yes, sir.

23 Q. So Vyera didn't lose so many Daraprim sales so as to make  
24 the price increase to \$750 per tablet unprofitable, correct?

25 A. That is correct. It lost, I think, something like

LCLKFTC1

Jena - Cross

1 67 percent of its units sold, the quantity, but with that price  
2 increase, it remained profitable, as you just described.

3 Q. So Vyera didn't lose so many Daraprim sales so as to make  
4 the price increase to \$750 per tablet unprofitable, correct?

5 A. Correct.

6 Q. Let's turn to page 29 of your trial testimony and look at  
7 Exhibit D.5. Page 29, Exhibit D.5.

8 Are you with me?

9 A. Yes, sir.

10 Q. Exhibit D.5 has a heading "Quantity of Daraprim Tablets  
11 Sold Q1 2006 To Q4 2020."

12 Do you see that?

13 A. Yes, sir.

14 Q. And, again, it shows some of the same trend line as DX 1,  
15 but it adds additional time periods after the second quarter of  
16 2015, correct?

17 A. Yes, sir.

18 Q. What it shows, as I look at it - at least as I interpret  
19 it, but you can correct me - from the time Vyera acquired  
20 Daraprim in the third quarter of 2015 to the time of generic  
21 Daraprim entry in Q1 2020, Daraprim's sales remained relatively  
22 flat despite the 4,000 percent price increase, correct?

23 A. I think that's correct, but maybe I can just qualify it, if  
24 you're open to it, but I defer to you.

25 Q. We'll let your attorneys get up and qualify something if it

LCLKFTC1

Jena - Cross

1 needs to be qualified.

2 A. Sure.

3 Q. This can be seen graphically by the yellow highlighter that  
4 Mr. Tuttle put on there, the sales are relatively flat from the  
5 period after Vyera has increased the price by 4,000 percent,  
6 correct?

7 A. Correct, the sales are relatively flat after the price  
8 increase, but, of course, prior to that, there's a large  
9 reduction in quantity, but after that, they remain relatively  
10 flat.

11 Q. Yes, thank you. So you got the explanation in after all.

12 Looking at Exhibit D.5, your Daraprim sales line  
13 changes from a dotted orangish line to a solid orangish line in  
14 the third quarter of 2015.

15 Do you see that?

16 A. Yes, sir.

17 Q. And according to the note and sources below, where you  
18 explain where the information came from, you switched from  
19 using IQVIA sales data for Daraprim to using Vyera sales data,  
20 correct?

21 A. Yes, sir.

22 Q. That's because you no longer found the IQVIA sales data for  
23 Daraprim sufficiently reliable after Vyera acquired Daraprim?

24 A. Yes, sir.

25 Q. In fact, also, you can see, between the second and third



LCLKFTC1

Jena - Cross

1 quarter of 2015, you actually see an increase in the sales  
2 quantity for Vyera.

3 Do you see that?

4 MR. MEIER: Bryce, can you circle that area there, or  
5 highlight it. Thank you.

6 Q. Do you see that?

7 A. I do see that. I don't know that I'd call that an  
8 increase, given the fluctuation that we observed, but,  
9 visually, I do see that uptick.

10 Q. Yes, that's what it shows. It shows, visually, that  
11 there's a discernible increase in Daraprim sales when you first  
12 start using Vyera sales data instead of the IQVIA data,  
13 correct?

14 A. Again, visually, there's an uptick, but I wouldn't draw  
15 anything from that besides to say that, visually, I observe  
16 that.

17 Q. Yes, so that's all we've got to work with here, Dr. Jena.  
18 You didn't include any other things in your report that would  
19 explain this, so we're sort of stuck with what we see visually.

20 In fact, isn't this an indication that the IQVIA data  
21 was underreporting Daraprim sales?

22 A. I don't know if it's correct. I don't have a particular  
23 opinion on that.

24 Q. Well, you started using Vyera's data, didn't you, because  
25 the IQVIA data was no longer reliable because of Vyera's

LCLKFTC1

Jena - Cross

1 data-blocking policy?

2 A. That is true.

3 Q. Now, generic drugs --

4 MR. MEIER: You can take that down, Mr. Tuttle.

5 Q. Generic drugs are medications that are created to be the  
6 same as an existing approved brand drug in dosage form, in  
7 safety, in strength, in route of administration, in quality,  
8 and in performance characteristics, correct?

9 A. Yes, sir.

10 Q. And that's actually a direct quote out of your written  
11 testimony.

12 You would agree that generic Daraprim is branded  
13 Daraprim's closest therapeutic substitute?

14 A. Yes, sir.

15 Q. Would you also agree that Daraprim is branded -- I'm sorry,  
16 generic Daraprim is branded Daraprim's closest economic  
17 substitute?

18 A. I would agree.

19 Q. That's basically because they're the same drug?

20 A. Yes, sir.

21 Q. Just different price?

22 A. Correct.

23 MR. MEIER: Mr. Tuttle, would you please put  
24 Government Exhibit 1093 on the screen.

25 And while Mr. Tuttle is doing that, your Honor, I'll

LCLKFTC1

Jena - Cross

1 just point out for the record that Government Exhibit 1093 was  
2 admitted as part of a broader Government Exhibit 9013.

3 BY MR. MEIER:

4 Q. I'd like to show you what's been marked as Government  
5 Exhibit 1093, and just ask you to take a quick look at the  
6 email at the bottom from an Andrea Weddle to a number of people  
7 at turing.com.

8 I showed you this letter -- I'm sorry, this email at  
9 your deposition.

10 Do you have a recollection of that?

11 A. I do, and thanks for the correction.

12 Q. In the email from Ms. Weddle to the executives at Turing,  
13 it says, "I am sending the attached letter on behalf of the  
14 president of the Infectious Diseases Society of America,  
15 Stephen Calderwood, M.D., and the chair of the HIV Medicine  
16 Association, Adora Adimora, M.D., MPH to urge Turing  
17 Pharmaceuticals to immediately develop a rational and fair drug  
18 pricing strategy for the recently acquired drug pyrimethamine."

19 Do you see that?

20 A. Yes, sir.

21 Q. The next sentence says, "The price increase that took  
22 effect in the middle of August is negatively impacting patient  
23 care and challenging hospital systems across the country."

24 Do you see that?

25 A. Yes, sir.

LCLKFTC1

Jena - Cross

1 Q. Now, you do not offer any opinion in your trial testimony  
2 on whether Vyera's Daraprim price increase in 2015 negatively  
3 impacted patient care and challenged hospital systems across  
4 the country, correct?

5 A. That's correct.

6 Q. Let's turn to page 2 of Government Exhibit 1083, which is  
7 the actual letter from the IDSA and HIVMA from September the  
8 8th, 2015.

9 Do you see that?

10 A. Yes, sir.

11 MR. MEIER: If we could go down to the third paragraph  
12 of the letter, Mr. Tuttle.

13 Q. It says, "In mid-August, after Turing purchased  
14 pyrimethamine, the price of the medication increased by  
15 5,000 percent in hospital pharmacies around the country with no  
16 justification for an increase of this magnitude for a  
17 medication approved by the U.S. Food and Drug Administration in  
18 1953."

19 Do you see that?

20 A. Yes, sir.

21 Q. It says, "In addition, hospitals, including those with 340B  
22 pharmacies, also reported being unable to obtain the  
23 medication."

24 Do you see that?

25 A. Yes, sir.

LCLKFTC1

Jena - Cross

1 Q. Now, you do not offer an opinion in your trial testimony  
2 that Vyera's Daraprim price increase was justified, correct?

3 A. That's correct.

4 Q. And you do not offer any opinion in your trial testimony  
5 contradicting the statement that after Vyera's Daraprim price  
6 increase, hospitals reported being unable to obtain Daraprim,  
7 correct?

8 A. That's correct. I don't assess that, one way or the other.

9 Q. Right.

10 MR. MEIER: We can take that letter down, Mr. Tuttle.  
11 Thank you.

12 Q. Turning to page 8 of your trial testimony, we're going to  
13 look at Table 1 on page 8. Table 1 on page 8 of your trial  
14 testimony has the heading "Summary of Generic Manufacturers'  
15 ANDAs."

16 Do you see that?

17 A. Yes, sir.

18 Q. And this is a chart, or a table, I should say, you put  
19 together in order to sort of give the dates when various  
20 generic manufacturers started working on ANDAs and the status,  
21 at least as of the time of your testimony, correct?

22 A. Yes, sir.

23 Q. If I'm reading this correctly, two of the companies, the  
24 first two companies, shows that they were starting to develop a  
25 generic version of Daraprim before Vyera even acquired Daraprim

LCLKFTC1

Jena - Cross

1 and raised the prices 4,000 percent, correct?

2 A. Correct.

3 Q. This would have been in the period when the price was going  
4 up from about a dollar a pill to somewhere around 12 or 13  
5 dollars a pill?

6 A. That's correct.

7 Q. So would it be fair to say that your Table 1 shows that at  
8 least two generics started working on generic Daraprim before  
9 Vyera acquired the rights?

10 A. I would say that's correct.

11 Q. And your table shows that at least two generic companies  
12 expected generic Daraprim entry would be profitable at a price  
13 somewhere around \$12 a pill?

14 A. I don't have a particular opinion on that. I didn't  
15 analyze that specific question.

16 Q. Right.

17 But it would be irrational for them to have entered,  
18 sought to enter, when the price was \$12 a pill, if they didn't  
19 think it was going to be profitable, correct?

20 A. I'd assume that's correct, but I don't have any insight  
21 into their business decisions.

22 Q. No, I understand you don't have insight into that.

23 But you do assume, as an industrial organization  
24 economist, that companies are profit-maximizing, correct?

25 A. I would agree with that.

LCLKFTC1

Jena - Cross

1 Q. And that they don't purposely try to lose money, correct?

2 A. I would agree with that, but I don't know what they were  
3 forecasting for the price and quantity sold.

4 Q. Got it. Understood.

5 Have you ever had --

6 MR. MEIER: We can take that down, Mr. Tuttle.

7 Q. Have you ever had any communications of any kind with  
8 Martin Shkreli?

9 A. No, sir.

10 Q. You don't rely on anything from Martin Shkreli's deposition  
11 in forming any of your opinions in this case, correct?

12 A. Correct.

13 Q. You haven't even read Mr. Shkreli's deposition, correct?

14 A. Correct.

15 Q. You don't rely on anything from Mr. Shkreli's trial  
16 testimony in forming any of your opinions in this case,  
17 correct?

18 A. Correct, sir.

19 Q. You haven't even read Mr. Shkreli's written direct  
20 testimony in this case, correct?

21 A. No, sir, I've not.

22 Q. And you do not offer any opinions in your trial testimony  
23 on the role of Mr. Shkreli in this case, correct?

24 A. Correct.

25 Q. And you were not asked to define a relevant antitrust

LCLKFTC1

Jena - Cross

1 product market in this case, correct?

2 A. Correct.

3 Q. And you were not asked to define a relevant antitrust  
4 geographic market, correct?

5 A. Correct.

6 Q. So you were not asked to offer any opinions challenging  
7 Professor Hemphill's opinion that the relevant geographic  
8 market in this case is the United States, correct?

9 A. Correct.

10 Q. And you don't define the relevant market for Daraprim in  
11 your trial testimony, correct?

12 A. That is correct.

13 Q. You don't calculate Daraprim's market share in your trial  
14 testimony, correct?

15 A. That is correct.

16 Q. You don't give an estimate of Daraprim's market share in  
17 your trial testimony, correct?

18 A. That's correct.

19 Q. And you were not asked to perform an excess profit  
20 calculation in this case, correct?

21 A. No, I was not. I was only asked to respond to  
22 Dr. Hemphill's calculations in his written testimony.

23 Q. And you don't offer any opinions in your trial testimony  
24 about barriers to entry into the market in which Daraprim  
25 competes, correct?



LCLKFTC1

Jena - Cross

1 A. No, I do not.

2 Q. And you did not conduct an analysis of cross-price  
3 elasticity in this case, correct?

4 A. That's correct.

5 Q. So I'd like to ask you a hypothetical. Let's look, again,  
6 at page 8, Table 1, of your testimony. That's the one with the  
7 Summary of Generic Manufacturers' ANDAs.

8 Do you see that?

9 A. Yes, sir.

10 Q. So let's assume a world in which Vyera owns branded  
11 Daraprim and acquires each of the generic ANDAs in Table 1.

12 Are you with me?

13 A. Yes.

14 Q. Under these circumstances, would you expect Vyera to be  
15 able to profitably increase the price of Daraprim and its  
16 generics 5 to 10 percent?

17 A. I don't have a specific opinion on that. I couldn't tell  
18 you one way or the other.

19 Q. Well, let me ask you this: Assume a world in which Vyera  
20 owns branded Daraprim and pays Cerovene and Fera to exit the  
21 market for Daraprim.

22 Are you with me?

23 A. Yes.

24 Q. Do you have any opinion on whether Vyera would be able to  
25 profitably increase the price of Daraprim by 5 to 10 percent?

LCLKFTC1

Jena - Cross

1 A. No, I do not.

2 Q. Let's turn to tab 3 of your trial testimony. Tab 3, it's  
3 in the back.

4 It's a little bit tricky to find, but it's the one  
5 with the big blue page that says, "Pharmaceutical Industry  
6 Antitrust Handbook, Second Edition."

7 Do you see that?

8 We've also got up it on the screen, if that helps.

9 A. Yes, now I see it. Thank you. I appreciate it.

10 Q. Is it fair to say given that you felt this was sufficiently  
11 important to attach to your trial testimony, that you relied on  
12 the ABA's Pharmaceutical Industry Antitrust Handbook in  
13 preparing your testimony?

14 A. Yes, sir.

15 Q. Indeed, you found the ABA's Pharmaceutical Industry  
16 Antitrust Handbook so important, that you actually included  
17 this excerpt as a tab to your trial testimony, correct?

18 A. Correct.

19 Q. If you look at the actual excerpt, if we go to page 236,  
20 where it has a heading "Competition from Generic Products," do  
21 you see that?

22 A. Yes, sir.

23 Q. And that's the excerpt that you chose to include as part of  
24 your report?

25 A. Yes, sir.

LCLKFTC1

Jena - Cross

1 Q. And looking at the second sentence of the excerpt that  
2 starts with, "the entry of an AB rated generic," do you see  
3 that?

4 A. Yes, sir.

5 Q. It says, "The entry of an AB-rated generic equivalent to  
6 the branded drug typically has a powerful effect on the market  
7 price for the drug molecule."

8 Do you see that?

9 A. Yes, sir.

10 Q. Do you agree with that statement?

11 A. I would agree with that.

12 Q. It actually goes on to cite an FTC study, but we don't have  
13 time to go into that.

14 Let me go down to the part of the paragraph that  
15 starts with "the magnitude of this effect."

16 Do you see that?

17 A. Yes, sir.

18 Q. And it says, "The magnitude of this effect varies depending  
19 on how many generic manufacturers enter the market."

20 Do you see that?

21 A. I see that.

22 Q. Do you agree with that statement?

23 A. I would agree with that as a general point.

24 Q. So, generally speaking, the more generics that come in that  
25 are AB-rated to the brand, the lower the price goes for the

LCLKFTC1

Jena - Cross

1 molecule?

2 A. That's correct. That's what the academic literature would  
3 suggest.

4 Q. And generic Daraprim is AB-rated to branded Daraprim,  
5 correct?

6 A. Yes, sir.

7 Q. So looking at the excerpt you chose to include, there is a  
8 heading that starts at the bottom that says, "Direct Evidence  
9 of Market Power."

10 Do you see that?

11 A. Yes, sir.

12 Q. But you didn't continue the excerpt at that point, did you?

13 A. No, sir.

14 Q. So you left off the section that discusses so-called direct  
15 evidence of market power, correct?

16 A. Well, I cite to the document. I don't have that explicitly  
17 in here, but I certainly cite to the document, but it is  
18 correct to say that the excerpt ends at page 236.

19 Q. Turning real quickly to your -- keep that page, if you can,  
20 hold onto the page --

21 A. Sure.

22 Q. -- but also turn back to paragraph 83 on page 18. It's a  
23 little bit of a juggling act. I'm going to ask you to keep  
24 your place.

25 A. Okay, I'm there.

LCLKFTC1

Jena - Cross

1 Q. I'm sorry, I took you to the wrong place. I wanted to go  
2 to paragraph 133, excuse me, which is on page 34.

3 So, maintaining that juggling act, paragraph 133,  
4 page 34.

5 A. All right, I'm there. Thank you.

6 Q. And, here, you have some criticisms of Professor Hemphill,  
7 and you say, "Direct evidence of market power is typically  
8 unavailable, particularly in the pharmaceutical industry."

9 Do you see that?

10 A. Yes, sir.

11 Q. Now, you don't cite anything for that proposition, do you?  
12 You just state that essentially as an ipse dixit, correct?

13 A. I don't know what "ipse dixit" means, but I don't cite  
14 anything specific there to that statement.

15 Q. Okay. So it's just a statement you've made.

16 Now, let's turn back to the handbook, which you felt  
17 was sufficiently authoritative, that you included it in your  
18 report.

19 Do you know what the handbook has to say about direct  
20 evidence of market power?

21 A. My understanding is that it describes direct and indirect  
22 evidence, but it describes the role of direct evidence and  
23 market power.

24 Q. Do you know whether the handbook says anything similar to  
25 your statement that it is particularly in the pharmaceutical

LCLKFTC1

Jena - Cross

1 industry that this type of data is unavailable?

2 A. Not specifically, but I'm happy to review something, if you  
3 would like to show it to me.

4 MR. MEIER: Your Honor, at this time, I would like to  
5 read into the record the section from the Pharmaceutical  
6 Antitrust Handbook that talks about direct evidence as a  
7 learned treatise.

8 "Although courts predominantly rely upon the relevant  
9 market analysis to determine market shares and the presence of  
10 market power, some courts evaluate market power by examining  
11 direct forms of proof, such as evidence of supercompetitive  
12 prices, barriers to entry, abnormally large profit margins,  
13 output restrictions, or subcompetitive quality or service."

14 Next paragraph: "The direct evidence approach has  
15 been advocated most strongly in cases alleging unlawful  
16 exclusion of generic competition."

17 Thank you, your Honor.

18 BY MR. MEIER:

19 Q. Let's turn to paragraph 22 on page 5.

20 A. I'm there.

21 Q. In paragraph 22, you talk about the experience at Mass  
22 General Hospital, correct?

23 A. Yes.

24 Q. You say, "As of January 2016, all inpatient pyrimethamine  
25 usage at my own hospital, Massachusetts General Hospital (MGH),

LCLKFTC1

Jena - Cross

1 was the compounded suspension produced by our own compounding  
2 pharmacy," and then you cite Defense Exhibit 468, correct?

3 A. Yes, sir.

4 MR. MEIER: Mr. Tuttle, would you please put Defense  
5 Exhibit 468 on the screen.

6 And while he's doing that, I'll say that it has been  
7 admitted in evidence as part of Defense Exhibit 902.

8 Q. And you've seen this before, correct?

9 A. I believe so.

10 Q. So I don't have the time anymore to read all the  
11 paragraphs, but Mass General Hospital pharmacists compound  
12 pyrimethamine in advance of a specific patient's needs,  
13 correct?

14 A. That is my understanding.

15 Q. And although Daraprim comes in a tablet form, compounded  
16 pyrimethamine at MGH is an oral suspension, correct?

17 A. Yes, sir.

18 Q. And MGH-compounded Daraprim is only dispensed by the  
19 pharmacy with approval from an infectious disease specialist at  
20 MGH, correct?

21 A. That's correct.

22 Q. So noninfectious disease specialists, like you, can't  
23 approve the use of compounded pyrimethamine at MGH without  
24 approval, correct?

25 A. That's correct.

LCLKFTC1

Jena - Cross

1 Q. And even at MGH, outpatients who need pyrimethamine are  
2 given Daraprim, correct?

3 A. That is my understanding.

4 MR. MEIER: You can take that down.

5 The last thing I'd like to show you, Mr. Tuttle,  
6 assuming I still have a minute left - I think I do - would you  
7 please put Defense Exhibit 456 on the screen.

8 Q. Do you know a Dr. Rajesh Gandhi at Mass General Hospital?

9 A. Yes. He's an infectious disease doctor at Mass General.

10 Q. Have you seen this email before?

11 A. I may have, but I don't specifically recall, but I may  
12 have.

13 (Continued on next page)

14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25



LCLMFTC2

Jena - Redirect

1 Q. Dr. Gandhi is writing to Dr. Hardy, among others, in April  
2 of 2019 and he says: The situation at MGH is as follows: We  
3 have been unable to access pyrimethamine through a  
4 noncommercial source, but that will no longer be the case as of  
5 September 2019. As a result, our patients will either need to  
6 use the commercial product, 400 to \$900 per 25-milligram  
7 tablet, or we will be forced to switch to  
8 trimethoprim/sulfamethoxazole instead. Do you see that?

9 A. I think you may have misread. You said: We have been  
10 unable. It says we have been able to access pyrimethamine.  
11 Otherwise, I agree with that.

12 Q. I'm sorry. It does say that. In other words, it can get  
13 it through a noncommercial source, but if it tries to get it  
14 through commercial sources it has to pay a lot more?

15 A. That's correct.

16 MR. MEIER: Thank you, your Honor. I think I have a  
17 few minutes left for recross, if necessary.

18 REDIRECT EXAMINATION

19 BY MR. McDONNELL:

20 Q. Good morning, Dr. Jena.

21 A. Good morning.

22 Q. You were asked yesterday and today by counsel for  
23 plaintiffs about Dr. Hardy. Do you remember that?

24 A. Yes, sir.

25 Q. Have you reviewed Dr. Hardy's trial testimony in this case?

LCLMFTC2

Jena - Redirect

1 A. I have.

2 Q. Has that review of Dr. Hardy's trial testimony impacted  
3 your opinions in this case at all?

4 A. No, sir, it hasn't.

5 Q. You were asked a little bit about the direct versus  
6 indirect approach to market definition. Can you just please  
7 describe for the Court the differences between the indirect  
8 approach to understanding a relevant product market versus the  
9 direct approach.

10 A. Sure. If anything is unclear, let me know. A direct  
11 approach looks at evidence of the market price as it compares  
12 to a competitive price and that can be difficult to assess.  
13 The indirect approach starts with defining the relevant  
14 antitrust product market and then computing market shares in  
15 that product market.

16 So the handbook to which Mr. Meier referred, it starts  
17 with the assessment that although it is possible-- although  
18 courts primarily rely on an indirect approach, a  
19 direct-evidence approach can be useful, and I would absolutely  
20 agree with it. I think both sets of metrics are important to  
21 understand.

22 Q. In your experience as an economist which approach is more  
23 reliable to defining a relevant product market?

24 A. I think both are required because they can tell you  
25 different things perhaps. Certainly I think that an indirect

LCLMFTC2

Jena - Redirect

1 approach is useful. But I would want to consider both.

2 MR. MEIER: Your Honor, I object to this line of  
3 testimony. I would ask if I could voir dire the witness to see  
4 whether he has actually ever defined a market in any case.

5 THE COURT: You may voir dire.

6 MR. MEIER: I will just do it from here.

7 VOIR DIRE EXAMINATION

8 BY MR. MEIER:

9 Q. Dr. Jena, have you actually ever defined an antitrust  
10 product market in any of your academic work, in your consulting  
11 work, or in your work as a testifying expert in a case?

12 A. Yes, sir.

13 Q. What case was that?

14 A. Do I have a copy of my testimony list here?

15 Q. You didn't include it.

16 A. I don't know what I can speak about, but in the cholesterol  
17 market I defined the antitrust market for lipid-lowering drugs.  
18 I have defined the relevant antitrust market in setting up  
19 antiseizure or antiepileptic medications. I have defined the  
20 antitrust market for anticoagulants.

21 MR. MEIER: Your Honor, I withdraw my objection.

22 THE COURT: Thank you.

23 Q. Thank you, Dr. Jena. No further questions.

24 THE COURT: Any recross?

25 MR. MEIER: No, your Honor.

LCLMFTC2

1 THE COURT: You may step down.

2 THE WITNESS: Thank you. I appreciate it.

3 (Witness excused)

4 MR. CASEY: Your Honor, the defendants have no more  
5 evidence, so we would rest.

6 THE COURT: Thank you.

7 I have commented before on how helpful the physical  
8 assembly of evidence has been to me to assist my review, both  
9 deposition binders and, where I had them, the witness affidavit  
10 binders with exhibits.

11 So I know that attorneys are present in the courtroom,  
12 but there are teams behind them. Not everybody gets to travel  
13 to New York. Not everybody gets to travel to the courthouse,  
14 particularly at a time of COVID. So please extend my gratitude  
15 to the teams.

16 Both sides here have had excellent assistance from  
17 those trying to display the evidence so that I could look at it  
18 with ease during the examination of the witnesses. Sadly, we  
19 had some equipment problems due to the courthouse equipment,  
20 not to counsel's equipment. But you soldiered on and overcame  
21 that and it really helped me understand the relevant evidence  
22 as counsel discussed it, so I want to give my thanks to those  
23 members of your teams as well.

24 I am going to single out the FTC for giving so many of  
25 its younger members of its team -- I think they were all FTC

LCLMFTC2

1 lawyers. But maybe I'm wrong. Maybe some came from the New  
2 York AG's office.

3 Counsel, can you help me? Did some come from the AG's  
4 office.

5 MS. HOFFMANN: Your Honor, so far, all of the lawyers  
6 examining witnesses have been FTC lawyers, except me. There  
7 will be someone speaking tomorrow from the New York AG's  
8 office.

9 THE COURT: Thank you. I think it's noteworthy that  
10 so many opportunities were given to young lawyers to appear in  
11 court. I think that's a very important practice for counsel.  
12 The mentoring and training of young lawyers is critical to our  
13 profession.

14 Lastly, and I may think of more things to commend.  
15 But counsel have really cooperated so well with each other.  
16 You identified evidentiary and legal disputes for me. I gave  
17 you rulings and then you took those and applied those across  
18 the board and I think saved all of us an enormous amount of  
19 time and energy so we could focus on the core evidence. I want  
20 to thank counsel for cooperating so effectively with each  
21 other. I expect there were a few bumps in the road on that  
22 process, but somehow you soldiered on and managed to bring this  
23 evidentiary portion of the trial to a close.

24 There was a trial scheduled here with many more  
25 defendants, but there was a settlement on the eve of trial for

LCLMFTC2

1 everyone except Mr. Shkreli.

2 Mr. Shkreli's trial team had to wear many hats that it  
3 probably had no idea it would have to wear. I want to  
4 acknowledge the effort during the holiday period that went into  
5 that.

6 Let's talk about summations. I think what would be  
7 most effective for me -- and I don't know what counsel's  
8 desires are, but I'll be happy to hear from you if you have a  
9 different idea -- is to start with the plaintiffs' summation,  
10 since they bear the burden, then move in to defense summations,  
11 and then have a rebuttal from the plaintiffs.

12 The plaintiffs, however, should anticipate everything  
13 that they can in their opening summation. The defendant has a  
14 fair opportunity to respond to it in their summation. There  
15 may be some points of emphasis or some surprise that occurs in  
16 the defense summation. So I do want to give the plaintiffs a  
17 chance for a rebuttal.

18 Mr. Meier, do you have an anticipation of how long  
19 plaintiffs' opening summation will be, roughly?

20 MR. MEIER: Your Honor, we have been trying to work  
21 through that. I think we are shooting very hard to try to make  
22 that an hour. But I am just concerned that once you get going,  
23 it might be a little bit longer. I think with the summation,  
24 both the initial and rebuttal, I think we will get that done in  
25 an hour and a half.

LCLMFTC2

1 THE COURT: There are no time limits. I am just  
2 trying to do this for planning purposes.

3 MR. MEIER: Understood. I think that's our best  
4 estimate.

5 We anticipate having three people speak. They are  
6 some of the people you have met over the course of the trial,  
7 but it won't be me.

8 THE COURT: Thank you.

9 For defense counsel, do you have an estimate of your  
10 summation right now?

11 MR. CASEY: Your Honor, at this point I would estimate  
12 roughly around 90 minutes, perhaps a little bit longer than  
13 that. But that's my best estimate at this point, your Honor.

14 THE COURT: I don't know if you are going to use  
15 demonstratives during your summations. If you are, and are  
16 able to, I would love a set of them printed out.

17 I know as soon as I'm off the bench I'll think of  
18 other things that I should have mentioned, but that's it for  
19 now.

20 Mr. Meier, anything else?

21 MR. MEIER: No, your Honor. But we will absolutely  
22 bring copies for the Court and for the clerks, and we do intend  
23 to use demonstratives.

24 THE COURT: Mr. Casey.

25 MR. CASEY: Your Honor, just one point of

LCLMFTC2

1 clarification.

2 I believe Mr. Meier said that they intended to have  
3 three lawyers speak. Ms. Hoffmann indicated there would be  
4 someone from the state speaking. I don't if they could clarify  
5 how they are going to divide that up or who is going to speak.

6 THE COURT: I'm happy for you to talk to them. I  
7 assume, because the states are the ones making a request for  
8 monetary relief, that the state should be speaking. And there  
9 is a request for injunctive relief and I have to make a  
10 decision on liability.

11 MR. CASEY: I'll speak to them.

12 THE COURT: Good.

13 MR. CASEY: Nothing further.

14 THE COURT: That's it, Mr. Casey? I wanted to make  
15 sure you had an opportunity for any question or comment.  
16 Nothing more?

17 MR. CASEY: Thank you, your Honor.

18 THE COURT: Good. Enjoy today and I'll see you  
19 tomorrow at 9:30.

20 (Adjourned to December 22, 2021 at 9:30 a.m.)  
21  
22  
23  
24  
25



## INDEX OF EXAMINATION

Examination of:	Page
ANUPAM JENA	
Cross By Mr. Meier . . . . .	858
Redirect By Mr. McDonnell . . . . .	891

## GOVERNMENT EXHIBITS

Exhibit No.	Received
9007 and exhibits listed therein . . . . .	855
9074 . . . . .	855

## DEFENDANT EXHIBITS

Exhibit No.	Received
801 . . . . .	856
802 . . . . .	856
903 and exhibits listed therein . . . . .	857
904 and exhibits listed therein . . . . .	857